

To United States Patent and Trademark Office:

Re: U.S. Serial No. 10/522,110

Completion of PCT/CN2003/000609

Based on Chinese Patent Application No. 02125917.8

DECLARATION OF INVENTOR

I, the undersigned, Xu Qishou, declare and say:

1. I am a citizen of the People's Republic of China and I reside in Beijing, P.R.C.
2. I am a professor at the Institute of Radiation Medicine, Academy of Military Science, People's Liberation Army, Beijing, China, and I have been doing researches relating to the art of the present invention for more than 30 years.
3. I am one of the co-inventors of Chinese Patent Application No. 02125917.8, filed on August 2, 2002, entitled "A Riboflavin Derivative and Its Manufacture and Uses", which is the priority application of the present U.S. patent application Serial No. 10/522,110.
4. I am familiar with the references cited by the examiner in the captioned application.
5. I am aware of and helped structure various tests conducted to assess riboflavin derivatives, including three sets of tests conducted to assess the effects of: (1) *in vitro* hydrolysis of riboflavin derivatives; (2) conducting an oral administration of riboflavin derivatives; and (3) conducting an intramuscular injection administration of riboflavin derivatives.
6. The tests are described in detail in Annex I and I will refer to the results obtained through the tests.
7. In my opinion, the presently claimed invention, as evidenced by the results shown in Annex I, offers clearly unexpected results of using 5'-lauric acid as opposed to those known in the art, especially di-, tri-, and tetra-ester of riboflavin.
8. In my opinion, the selection of the specific esterification degree (monoester), esterification site (5'-), and ester-forming carboxylic acid (lauric acid), as claimed and shown in Annex I, offers an unexpected technical effect of providing a superior long-acting property.
9. I declare that all statements made herein of my own knowledge are true